Amendments to the Specification:

8 6 -2--

Please replace paragraph [0174] with the following rewritten paragraph:

Here, the difference ci in the changes in the characteristics is the absolute value of the subtraction of the difference in the characteristics between a pixel pi - 2 and pixel pi - 1 pi - 1 from the difference in the characteristics between the pixel pi - 1 pi - 1 and a pixel pi - 1 pi - 1 from the difference in the characteristics between the pixel pi - 1 p

Please replace paragraph [0175] with the following rewritten paragraph:

[0175] In Fig. 19, when the pixels are sequentially searched, the pixels that meet the condition $1 \cdot (bi < A)(b_i < A)$ are the pixels p0 to p2. The pixels that meet the condition $2 \cdot ((bi > A) \cdot and \cdot (bi + > A)) \cdot 2 \cdot ((b_i > A) \cdot and \cdot (b_{i+1} > A))$ and $(ei < B) \cdot (c_i < B) \cdot and$ (continuous arrangement in a predetermined direction from the pixel that meets the condition 1) are the pixels p3 to p6. The pixels that meet the condition $3 \cdot ((bi > A) \cdot and \cdot (bi + < A)) \cdot and \cdot (bi > A) \cdot and \cdot (continuous arrangement in a predetermined direction from the pixel that meets the condition 2) are the pixels p7 and p8. Therefore, the pixels p0, p1, and p2 are detected as the first group of pixels. The pixels p3, p4, p5, and p6 are detected as the group of boundary pixels. The pixels p7 and p8 are detected as the second group of pixels.$